

12/07/2004 07:53:07 AM:4StandardsStd Drawings and DetailsCFLHD English Details (FP-96)4d163512.dgn

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS

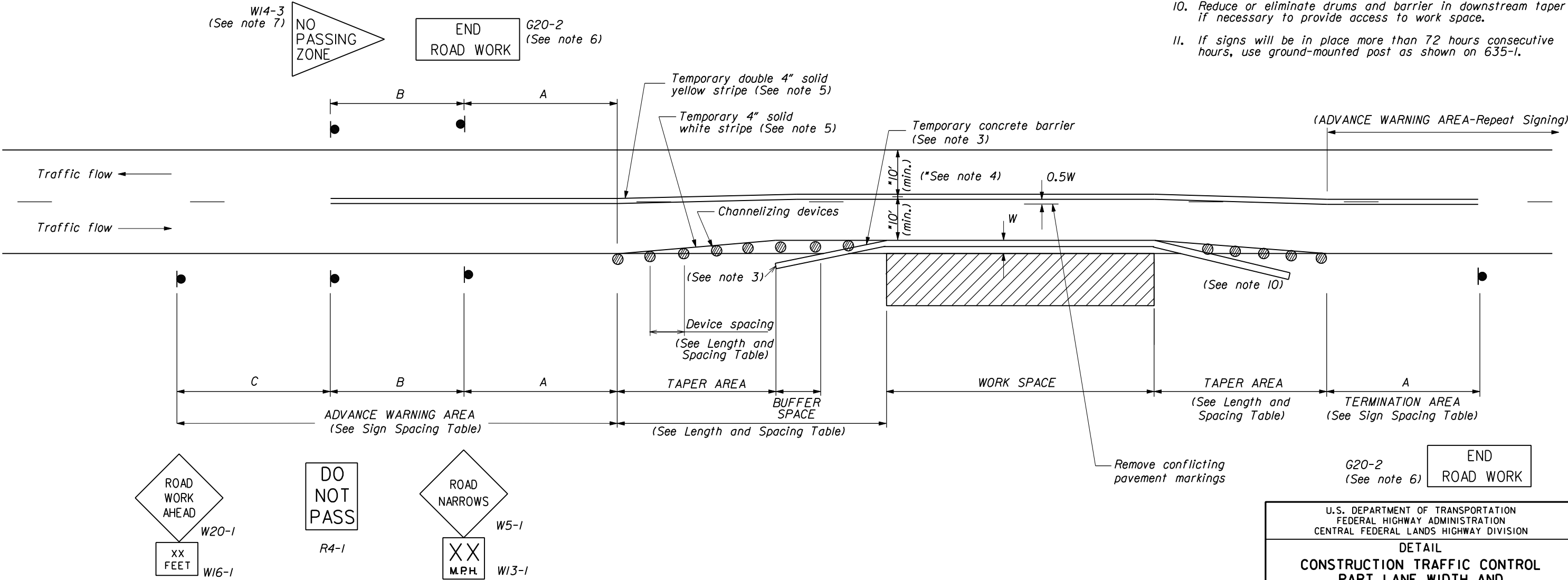
LENGTH AND SPACING TABLE						
APPROACH SPEED	** MINIMUM TAPER LENGTH IN FEET	LENGTH OF BUFFER SPACE IN FEET	CHANNELIZING DEVICE SPACING			CONCRETE BARRIER FLARE RATE
*MILES PER HOUR			**TAPER AREA	BUFFER SPACE	WORK SPACE	
			SPACING IN FEET			
25	Shifting taper formula:	155	25	50	50	1:8
30	$L = \frac{WS^2}{120}$ for speeds of 40 mph or less	200	30	60	60	1:8
35	$L = \frac{WS^2}{2}$ for speeds of 45 mph or greater	250	35	70	70	1:9
40	Where:	305	40	80	80	1:10
45	L= Minimum length of taper	360	45	90	90	1:12
50	W= Width of offset in feet	425	50	100	100	1:14
55	S= Numerical value of posted speed limit or 85 percentile speed prior to work in miles per hour	495	55	110	110	1:16

* Speed is based on the regulatory posted speed and not the advisory speed.
** Lengthen taper as needed to provide minimum of three channelizing devices in taper at required spacing.

SIGN SPACING TABLE			
ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban 40 mph and less	100	100	100
Urban 45 mph and greater	350	350	350
Rural	500	500	500
Expressway/Freeway	1000	1500	2640

NOTE:

- Signs are shown for one direction of travel only. Place devices similar to those depicted for the opposite direction of travel.
- Final location and spacing of signs and devices may be changed to fit field conditions as approved by the CO.
- Place the barrier according to the Roadside Design Guide by the American Association of State Highway and Transportation Officials (AASHTO). Terminate barrier ends outside the clear zone or protect the ends of the barrier with a crash cushion.
- Refer to Special Contract Requirements, Section 156, for minimum width.
- Install temporary pavement markings if roadway surface is paved. Remove conflicting pavement markings.
- If closure is completely within the project limits, eliminate the 'END ROAD WORK' sign (G20-2).
- Install 'PASS WITH CARE' signs (R4-2) at ends of no-passing zones if directed by CO.
- Omit the W14-3 sign if already within a no-passing zone.
- Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.
- Reduce or eliminate drums and barrier in downstream taper if necessary to provide access to work space.
- If signs will be in place more than 72 hours consecutive hours, use ground-mounted post as shown on 635-1.



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

DETAIL
CONSTRUCTION TRAFFIC CONTROL
PART LANE WIDTH AND
SHOULDER CLOSURE LAYOUT
WITH TEMPORARY BARRIER

DETAIL APPROVED FOR USE 05/2003
REVISED: 06/2004

DETAIL
C635-12

NO SCALE